

NL2076

Two-Stage Thermoelectric Module

RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

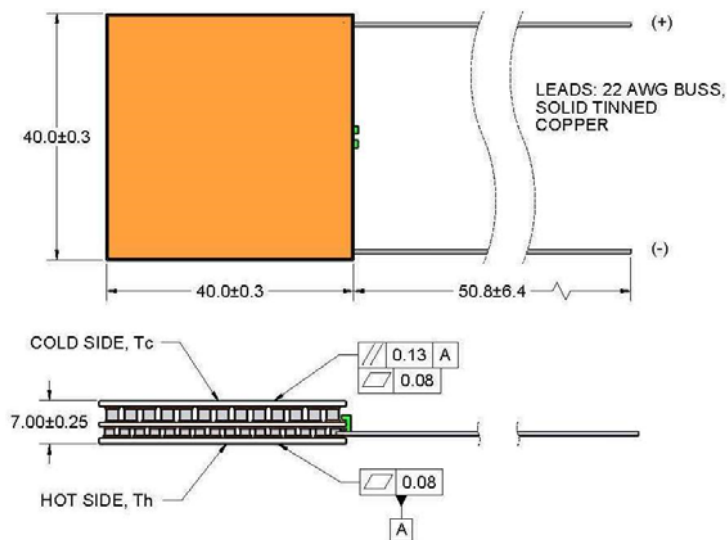
Nitrogen (1 ATM)

Hot Side Temperature (°C)	27	50
Δ Tmax (°C):	80	90
Qmax (watts):	44.6	49.3
Imax (amps):	7.2	7.1
Vmax (vdc):	15.5	17.2
AC Resistance (ohms):	1.93	---

MECHANICAL CHARACTERISTICS

Vacuum (10⁻⁵ TORR)

Hot Side Temperature (°C)	27	50
Δ Tmax (°C):	87	99
Qmax (watts):	45.0	49.9
Imax (amps):	7.1	7.1
Vmax (vdc):	15.5	17.2
AC Resistance (ohms):	1.93	---



-01AC THRU -04AC

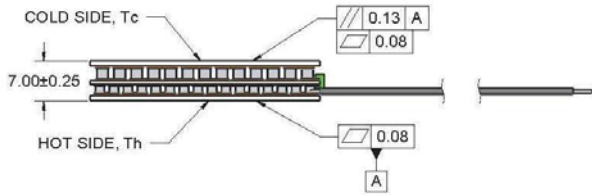
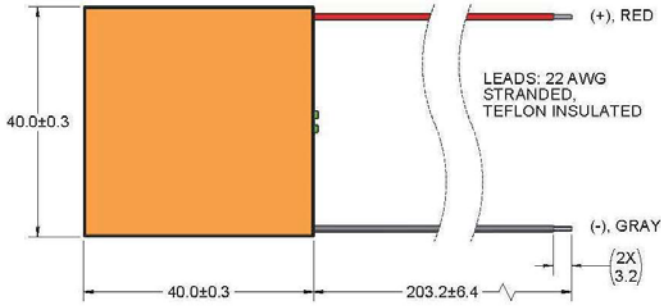
ORDERING OPTIONS

Model Number	Description
NL2076-01AC	TEM, Top and Base Metallized Exterior
NL2076-02AC	TEM, Base Metallized Exterior
NL2076-03AC	TEM, No Metallized Exterior
NL2076-04AC	TEM, Base Pre-tinned w/117°C solder
NL2076-05AC	TEM, Top & Base Metallized Exterior, 203mm Insulated Wires
NL2076-06AC	TEM, No Metallized Exterior, 102mm Au over Ni over Cu Wires, Burn-In Test and Data
NL2076-08AC	TEM, No Metallized Exterior, 203mm Insulated Wires
NL2076-09AC	TEM, No Metallized Exterior, Lapped, 203mm Insulated Wires

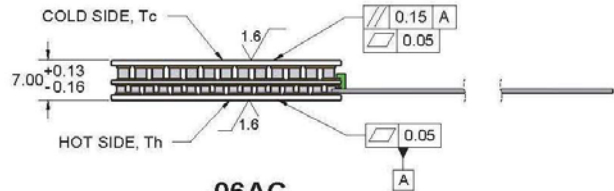
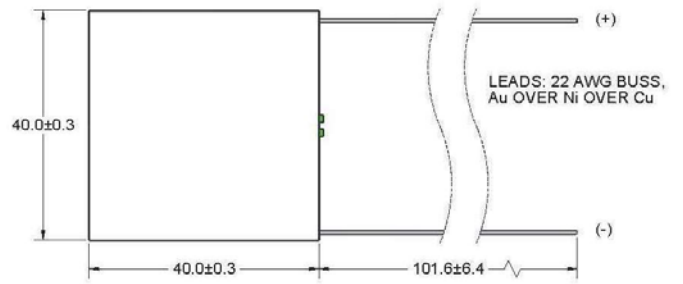
PRODUCT FEATURES

- Ideal for large temperature differentials (ΔT) and large heat pumping application.
- Rated operating temperature of 130°C.
- Superior nickel diffusion barriers on elements.
- High strength for rugged environment.
- Pre-tinned metallized ceramic surface(s) with 117°C solder option available.
- Burn-in test data option available.
- Lapped option available.

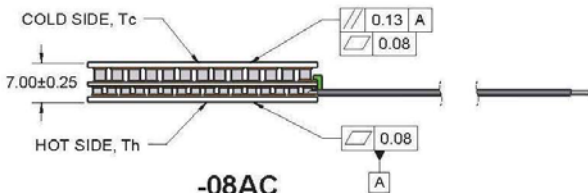
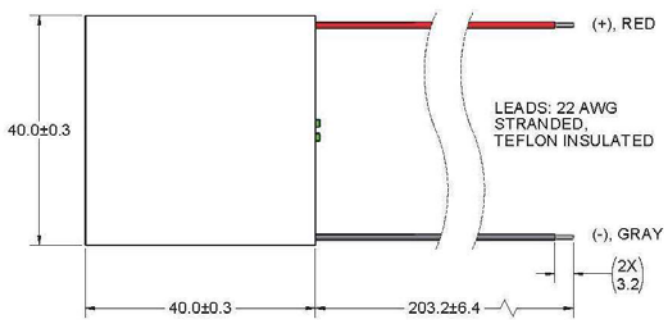
For customer support or general questions please contact a local office or visit our website at www.marlow.com.



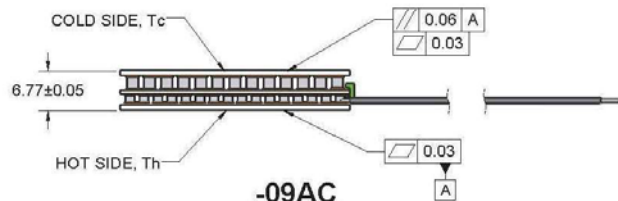
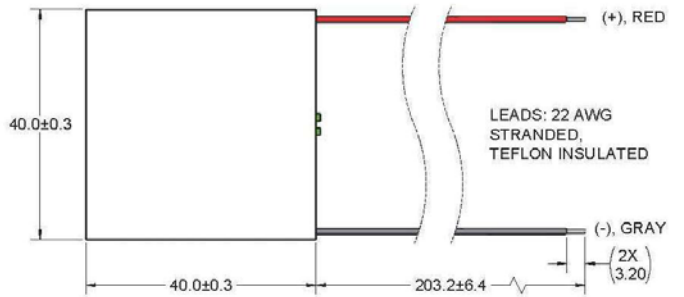
-05AC



-06AC



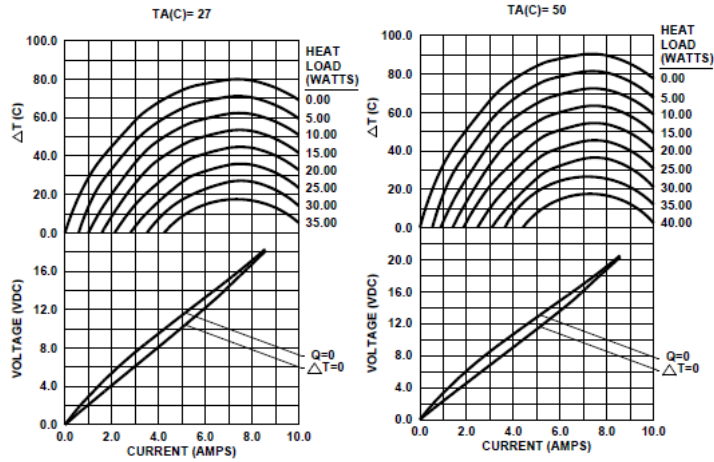
-08AC



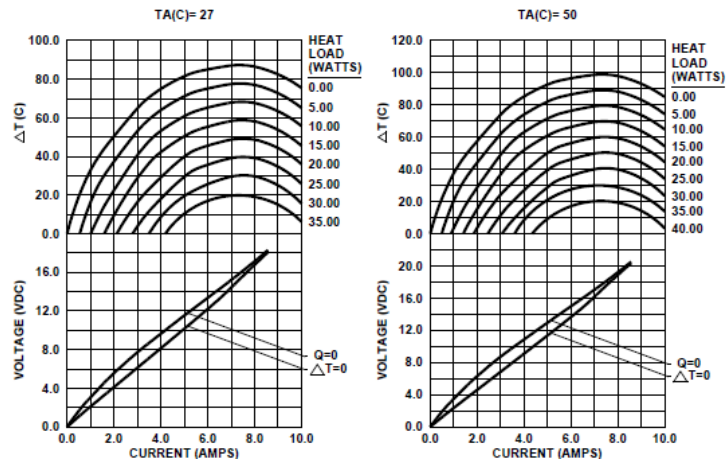
-09AC

ENVIRONMENT:

Nitrogen (1 ATM)



Vacuum (10^{-5} TORR)



TYPICAL PERFORMANCE CURVES

For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, consult one of our Applications Engineers.

Installation

Recommended mounting methods: Bonding with thermal epoxy or soldering with metallized ceramics. For additional information, please refer to our TEC Installation Guide.

Operation Cautions

For maximum reliability, storage and operation below 85°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

CONTACT US:

For customer support or general questions please contact a local office below or consult our website for distributor information.

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